

8-bit I/O type micro-controller with voice function

Features

- Single chip 8-bit CPU
- Operation voltage: 2.4V to 5.5V
- Memory:
 - ◆ ROM (shared by program and data): 64K
 - ◆ Data RAM: 128 Bytes
- 18 input/output pins with wake-up function
- One power-down mode for saving power consumption:
 - ◆ Stop mode: micro-controller no operation (oscillator stop oscillating)
 - ◆ Halt mode: micro-controller no operation (oscillator still oscillating)
- One current DAC output for voice synthesizer
- Dual-channel melody with programmable envelope
- Two re-loadable 8-bit timers
- Build-in random number generator
- Build-in watchdog timer
- Build-in low voltage reset
- Oscillator
 - ◆ Main oscillator operation at crystal or RC mode is selected by code option
 - ◆ Oscillator up to 4MHz @ 2.4V~5.5V and 6MHz @ 3.6~5.5V

Selection Information

	MSC64A
ROM (Program ROM)	64K x 8-bit (32K x 8-bit)
I/O	18

Application Field

Toy controller

General IR controller

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2005/06 version A1

